

DISEASES AND INSECTS ASSOCIATED WITH NURSERIES AND SEED ORCHARDS

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The continued pressure being exerted for producing better quality seed and superior planted stock brings the problem of insects and diseases clearly into focus. The nurseryman and orchardman must diagnose their problems more rapidly so that control methods may be undertaken before severe damage occurs. Many of the insects and diseases that will be discussed are familiar to most of you. (Slides were shown to illustrate examples of various insects and diseases.)

SLIDES

1. Nursery scene.
2. Comparison of damping-off and heat injury.
3. Fusiform rust damage on pine seedlings.
4. Black root rot damage in nursery seedbed.
5. Advanced black root rot on pine seedlings.
6. Thelephora terrestris - considered harmless to seedlings.
7. White pine needle blight on seedlings.
8. Phomopsis blight on redcedar.
9. Phomopsis on Arizona cypress.
10. Red spider damage on seedlings in the nursery.
11. White grub damage in the nursery.
12. Lesser corn stalk borer damage to Arizona cypress seedlings.
13. Tip moth damage to seedlings in the nursery.
14. Seed orchard.
15. Pityophthorus damage to graft.
16. Webworm damage.
17. Dioryctria amatella damage to slash pine.
18. Colospis damage to slash pine.
19. Sawfly damage.
20. Thrips damage to slash pine conelet.
21. Dioryctria damage to longleaf pine cone.
22. Laspeyresia damage to pine cone.
23. Fusiform rust damage.
24. Cone rust damage on slash pine cones.
25. Brown spot on longleaf pine seedlings.
26. Needle rust on loblolly pine.
27. Needle cast on slash pine.
28. Fomes annosus damage on pine.

(Note: There was a discussion to this paper, but was not picked up on the tape.)